

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013725.D
 Acq On : 24 Oct 2019 21:30
 Operator : SY/VA
 Sample : K5499-02RE
 Misc : 5.47G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 25 08:00:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

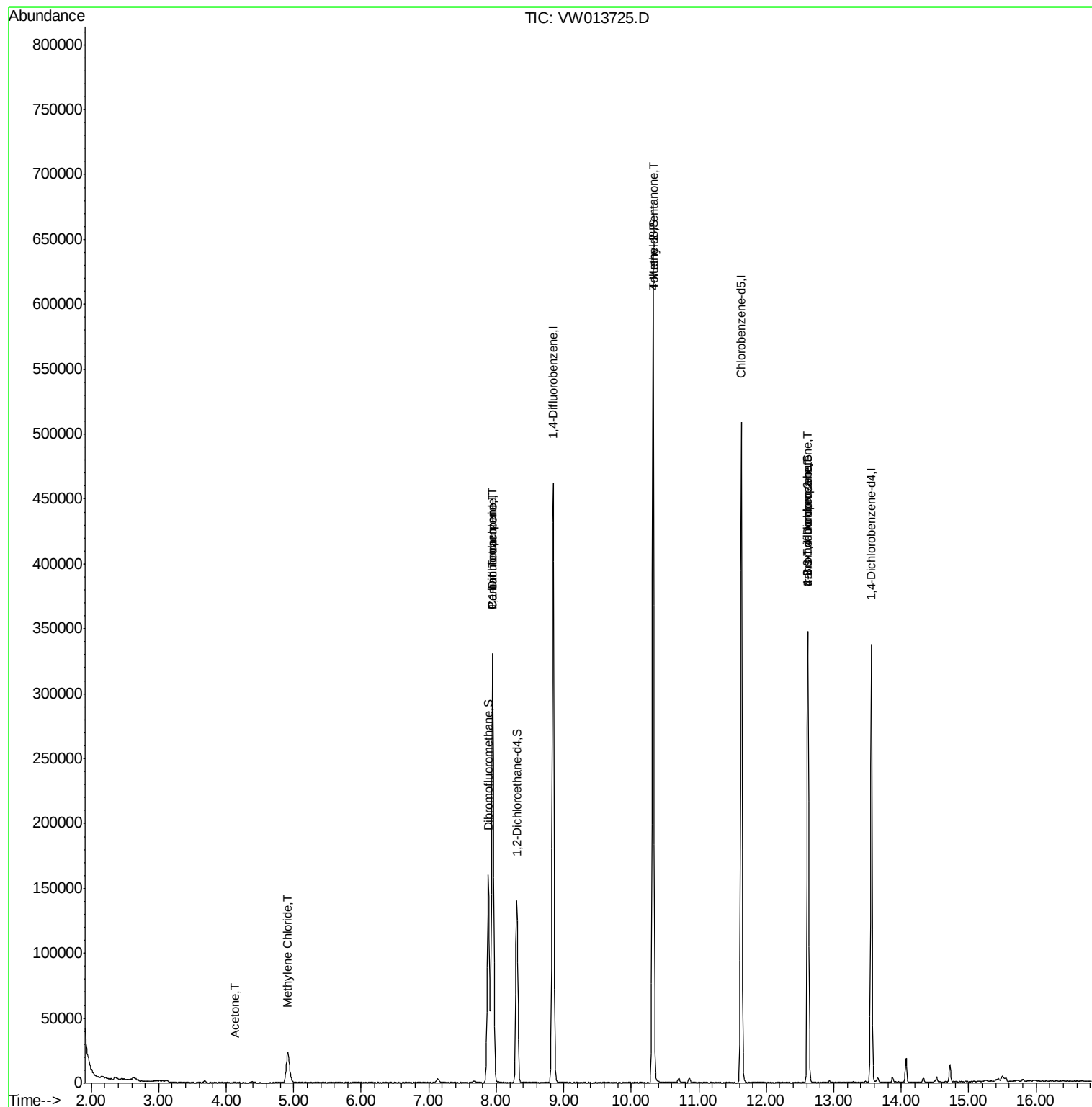
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	404885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	300347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	98847	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	110140	53.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.36%	
35) Dibromofluoromethane	7.88	113	118103	52.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.00%	
50) Toluene-d8	10.32	98	455244	49.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	113856	36.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.36%	
Target Compounds						
					Qvalue	
16) Acetone	4.13	43	977	2.246	ug/l #	88
20) Methylene Chloride	4.91	84	20300	4.125	ug/l	97
36) 1,1-Dichloropropene	7.95	75	17508	4.643	ug/l #	48
38) Carbon Tetrachloride	7.95	117	23498	6.920	ug/l #	15
51) 4-Methyl-2-Pentanone	10.32	43	1828	1.331	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	52475	73.923	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	52475	139.704	ug/l #	14

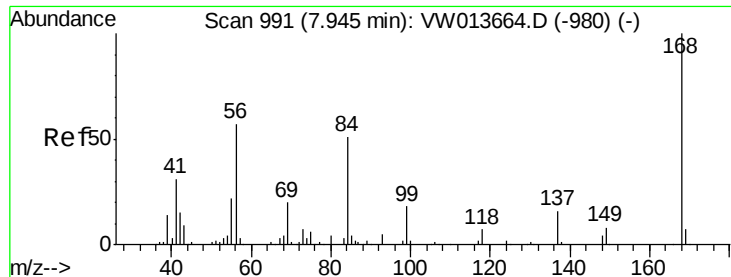
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013725.D

Acq: 24 Oct 2019 21:30

Instrument :

MSVOA_W

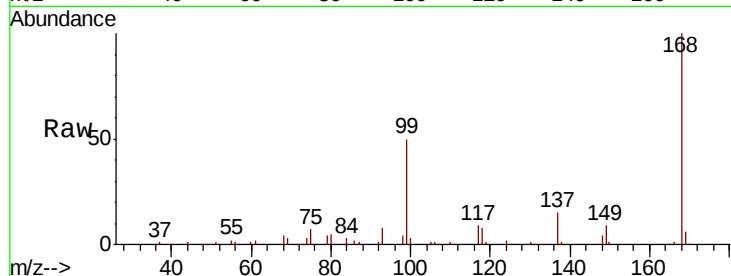
ClientSampleId :

Tot Ion:168 Resp: 273494

Ion Ratio Lower Upper

168 100

99 50.5 39.0 58.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

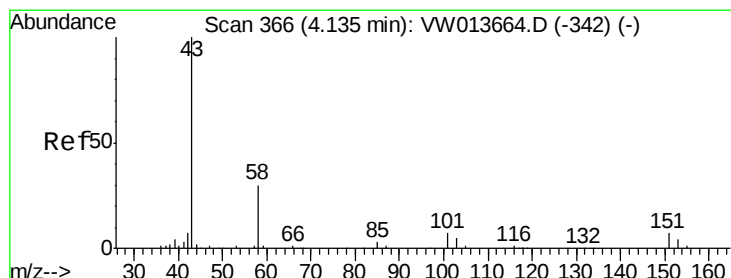
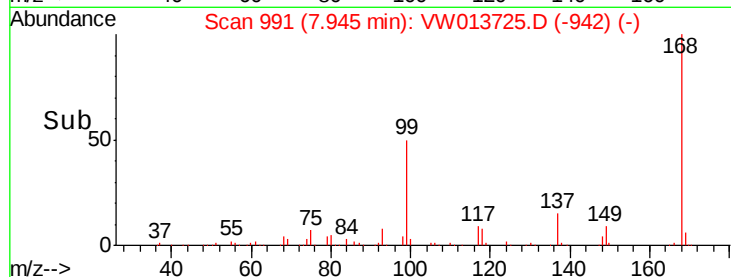
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#16

Acetone

Concen: 2.246 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.01 min

Lab File: VW013725.D

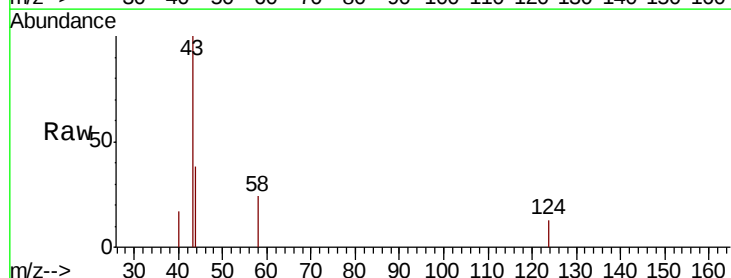
Acq: 24 Oct 2019 21:30

Tgt Ion: 43 Resp: 977

Ion Ratio Lower Upper

43 100

58 23.8 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

500

400

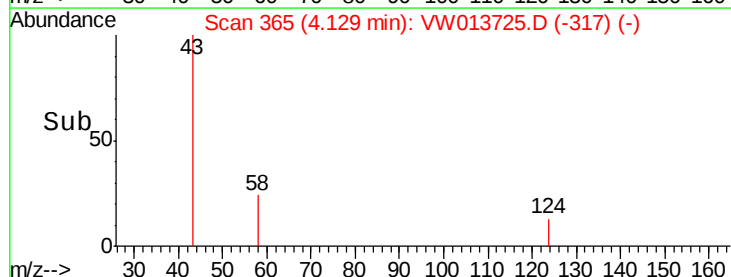
300

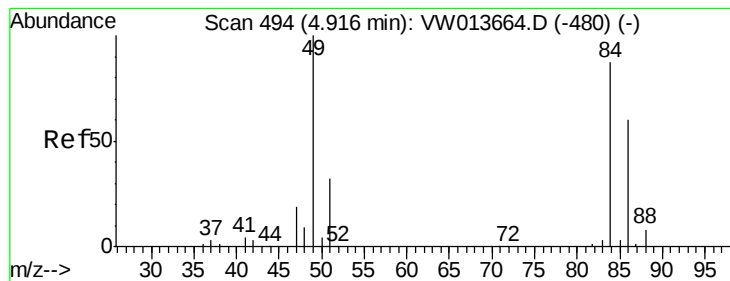
200

100

0

Time--> 4.05 4.10 4.15 4.20





#20

Methylene Chloride

Concen: 4.125 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW013725.D

Acq: 24 Oct 2019 21:30

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 84 Resp: 20300

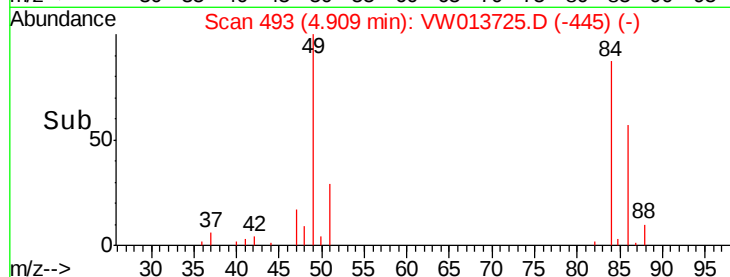
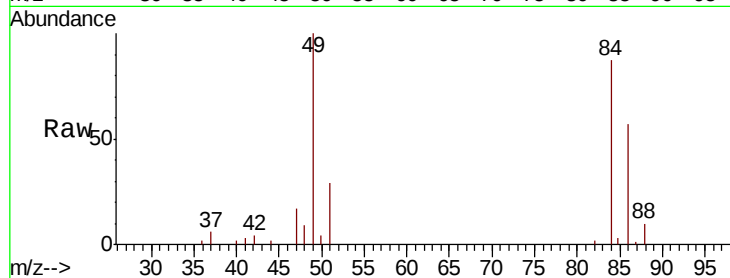
Ion Ratio Lower Upper

84 100

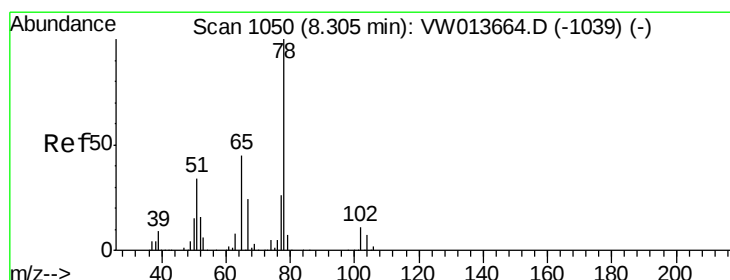
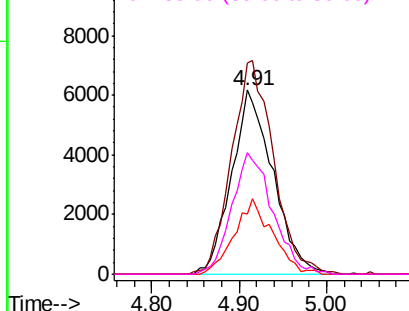
49 115.2 91.8 137.6

51 33.0 29.8 44.6

86 66.0 55.2 82.8



Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW



#33

1,2-Dichloroethane-d4

Concen: 53.684 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013725.D

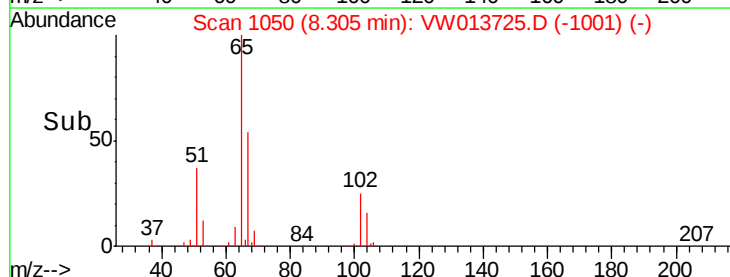
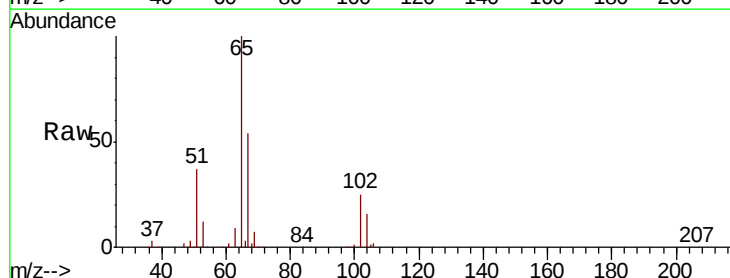
Acq: 24 Oct 2019 21:30

Tgt Ion: 65 Resp: 110140

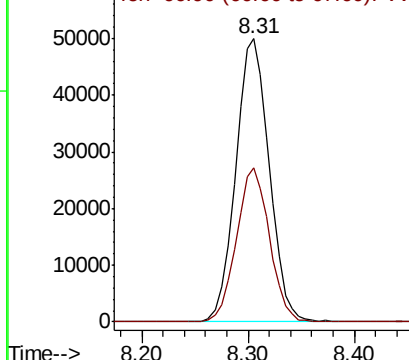
Ion Ratio Lower Upper

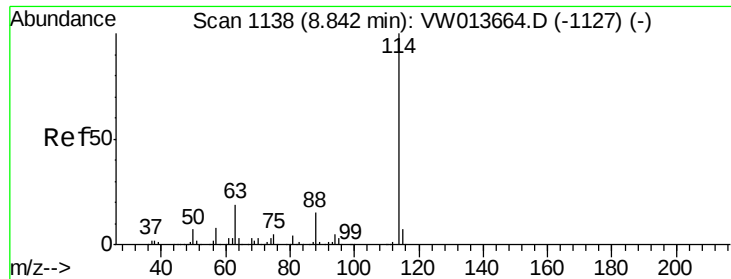
65 100

67 53.5 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

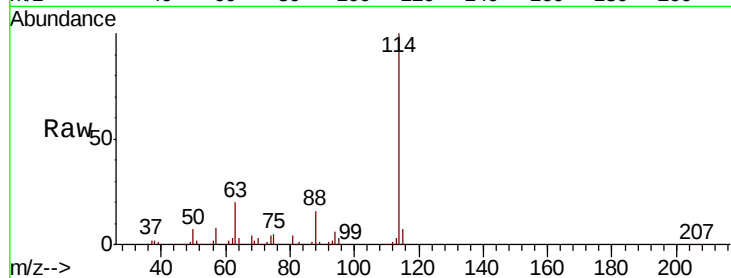




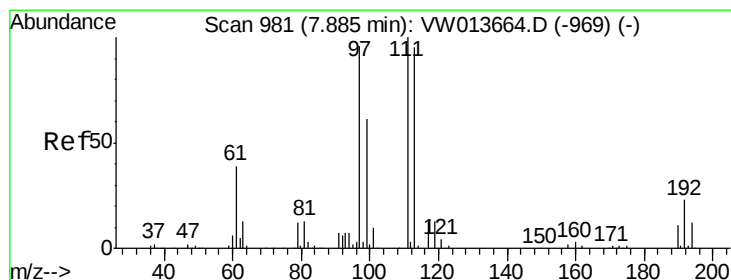
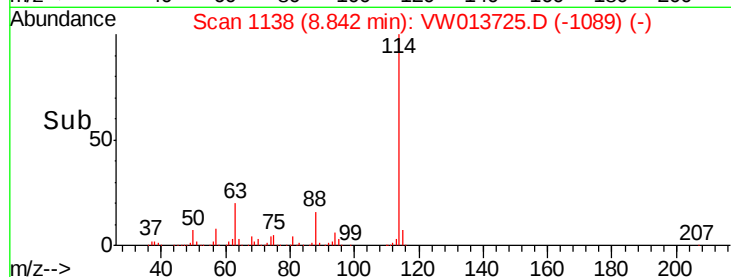
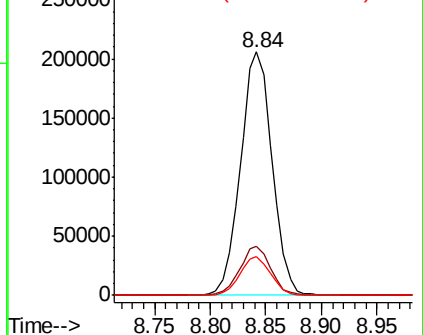
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013725.D
 Acq: 24 Oct 2019 21:30

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	37.6
88	15.7	0.0	30.2

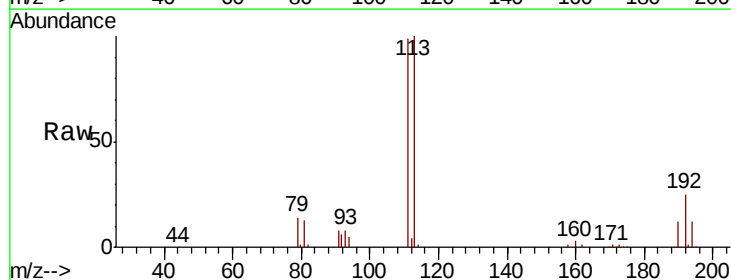


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

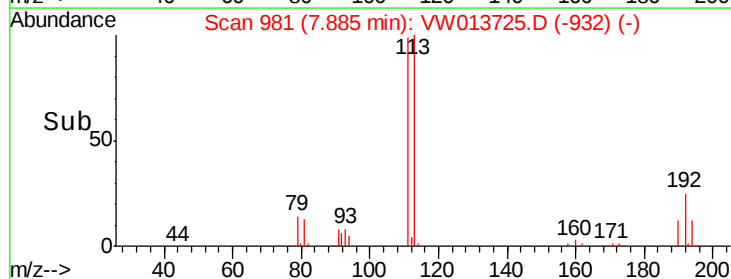
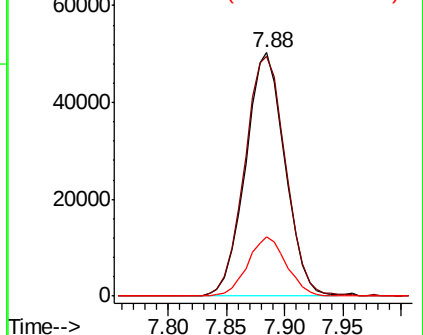


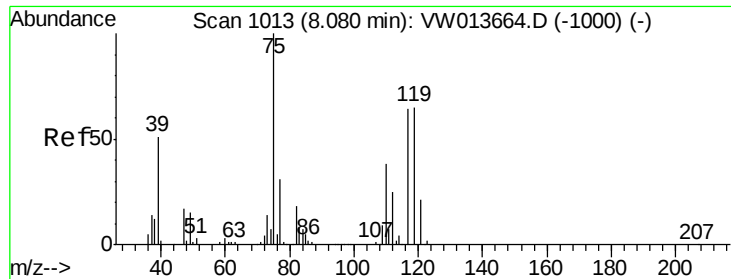
#35
 Dibromofluoromethane
 Concen: 52.496 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013725.D
 Acq: 24 Oct 2019 21:30

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.6
192	23.9	19.4	29.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

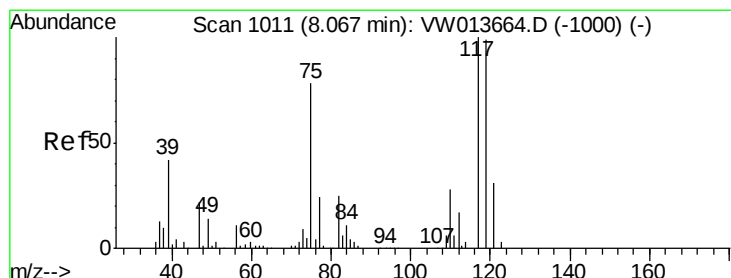
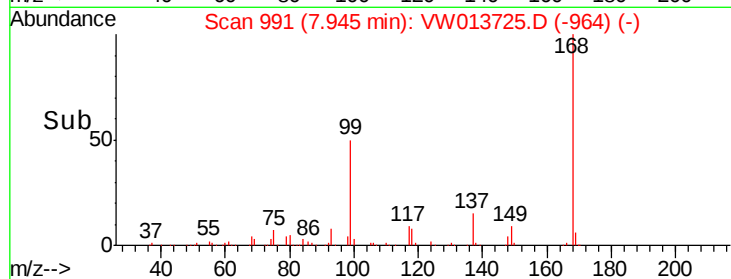
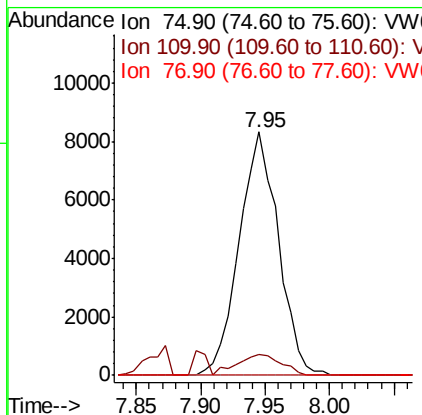
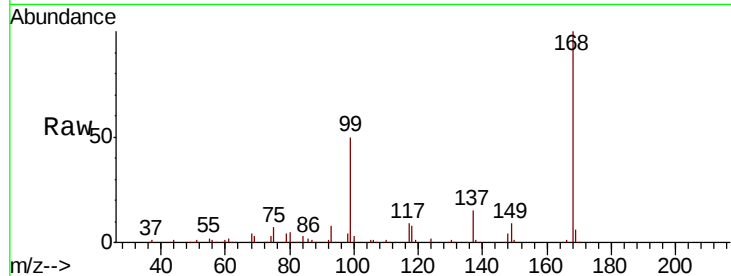




#36
 1,1-Dichloropropene
 Concen: 4.643 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW013725.D
 Acq: 24 Oct 2019 21:30

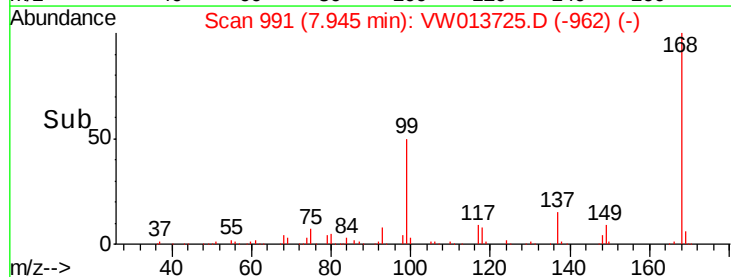
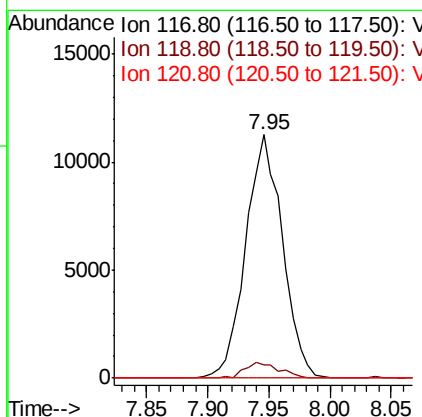
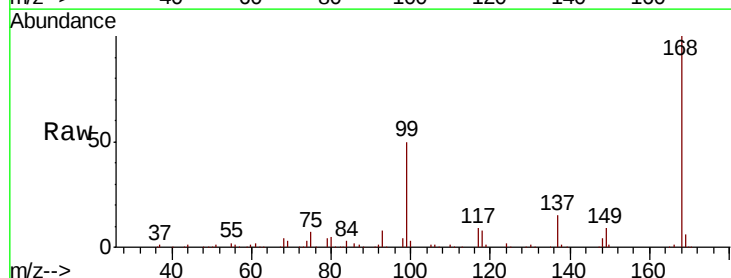
Instrument :
 MSVOA_W
 ClientSampled :

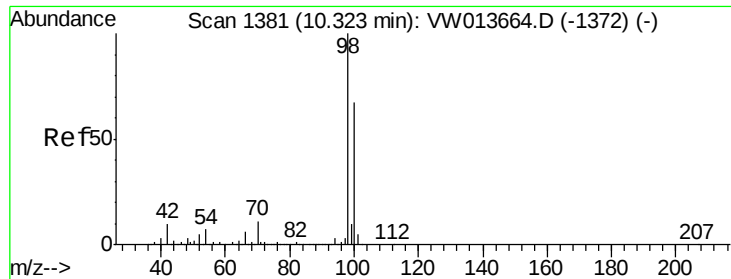
Tot Ion: 75 Resp: 17508
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.7 56.1#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.920 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW013725.D
 Acq: 24 Oct 2019 21:30

Tgt Ion: 117 Resp: 23498
 Ion Ratio Lower Upper
 117 100
 119 5.5 79.0 118.4#
 121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 49.660 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013725.D

Acq: 24 Oct 2019 21:30

Instrument :

MSVOA_W

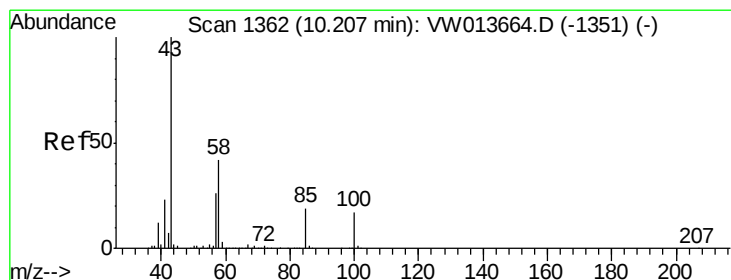
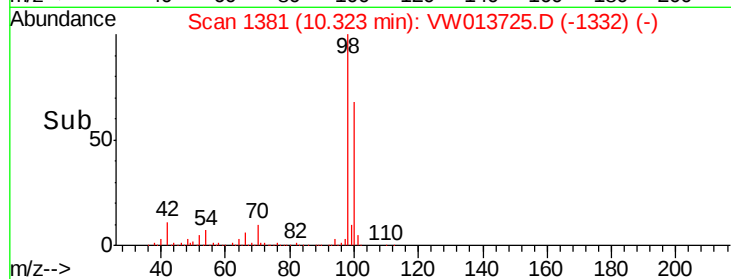
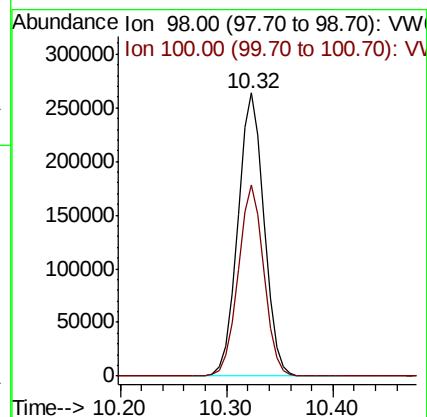
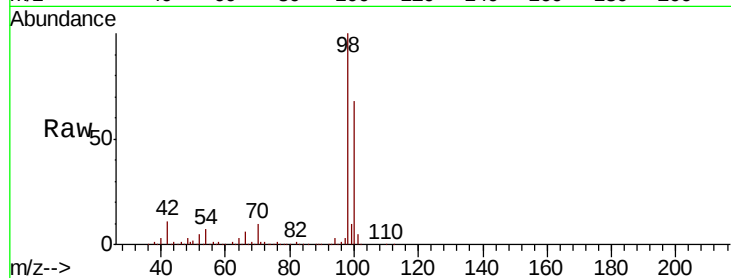
ClientSampleId :

Tot Ion: 98 Resp: 455244

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0



#51

4-Methyl-2-Pentanone

Concen: 1.331 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.12 min

Lab File: VW013725.D

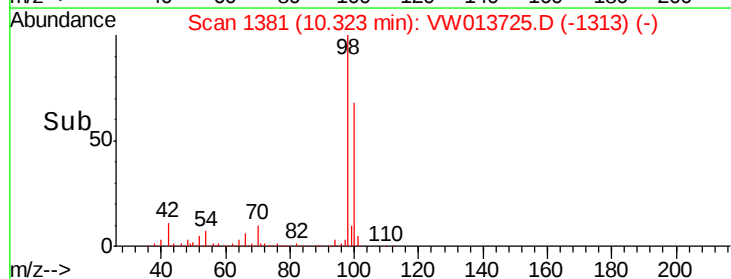
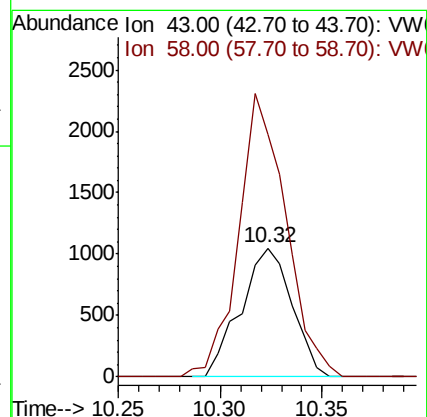
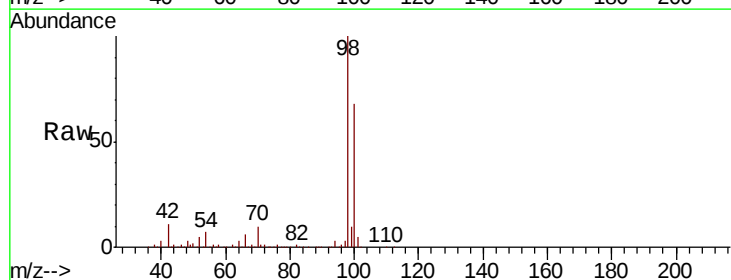
Acq: 24 Oct 2019 21:30

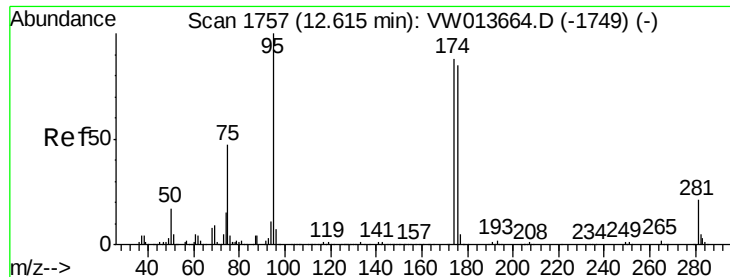
Tgt Ion: 43 Resp: 1828

Ion Ratio Lower Upper

43 100

58 202.6 32.6 49.0#





#62

4-Bromofluorobenzene

Concen: 36.680 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013725.D

Acq: 24 Oct 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

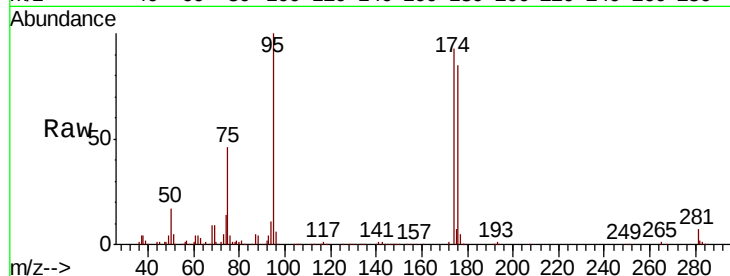
Tot Ion: 95 Resp: 113856

Ion Ratio Lower Upper

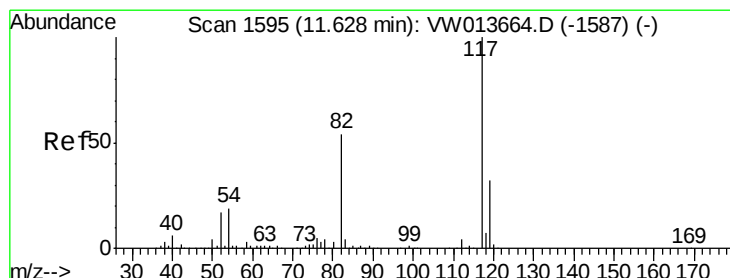
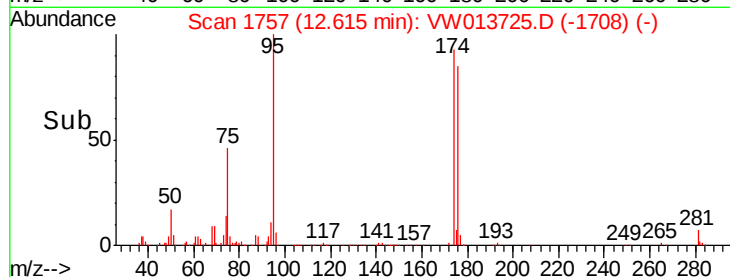
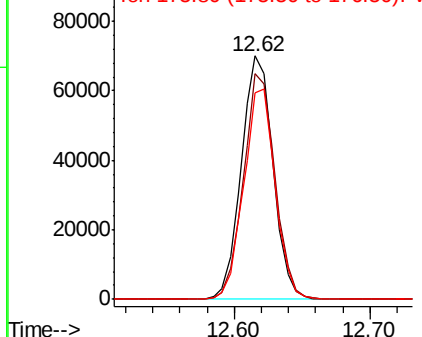
95 100

174 92.2 0.0 183.6

176 86.3 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VW
Ion 173.80 (173.50 to 174.50): VW
Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW013725.D

Acq: 24 Oct 2019 21:30

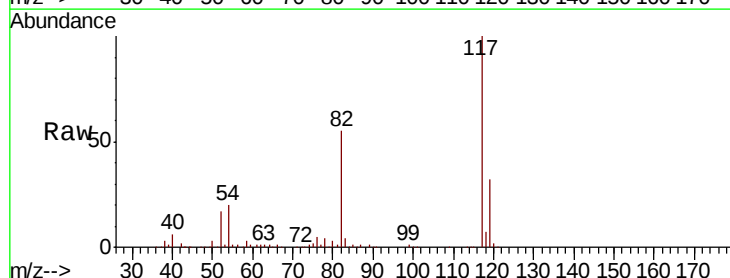
Tgt Ion: 117 Resp: 300347

Ion Ratio Lower Upper

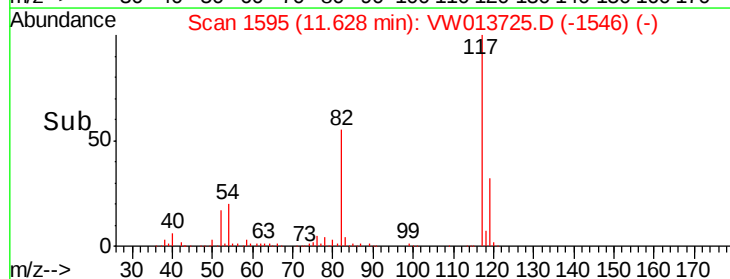
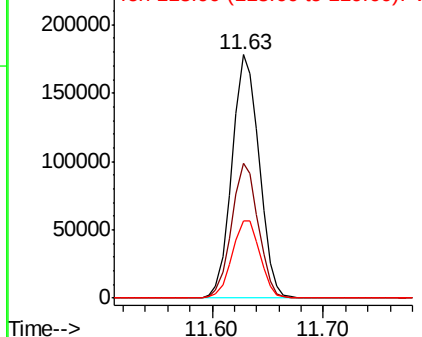
117 100

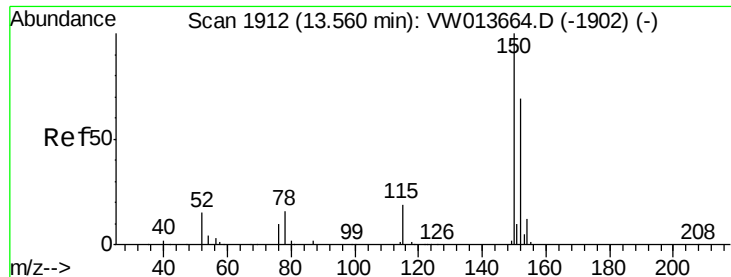
82 55.2 43.6 65.4

119 31.9 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VW
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): VW



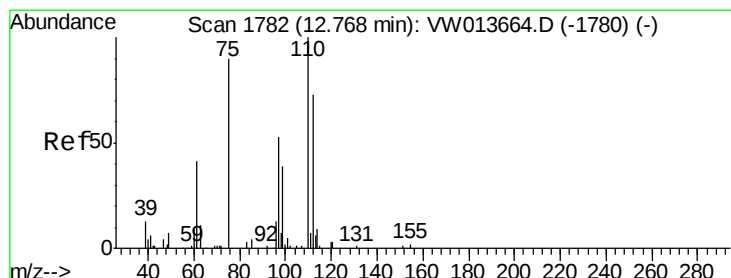
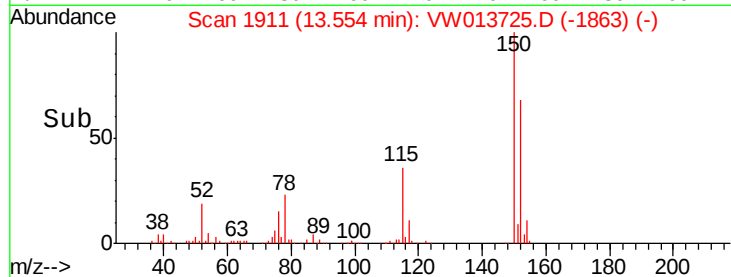
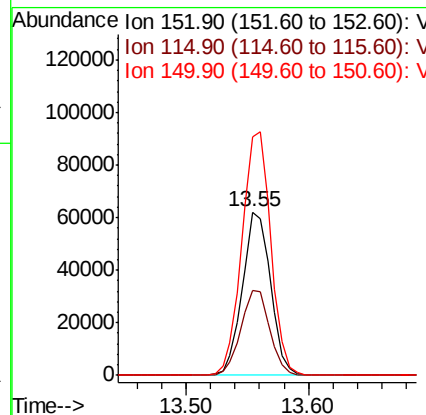
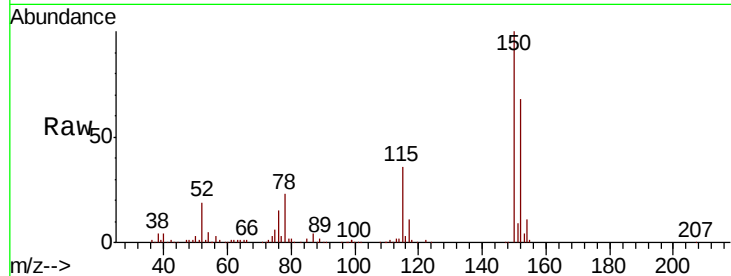


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013725.D
Acq: 24 Oct 2019 21:30

Instrument :
MSVOA_W
ClientSampleId :

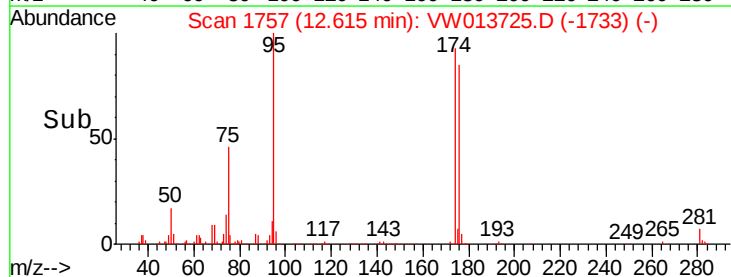
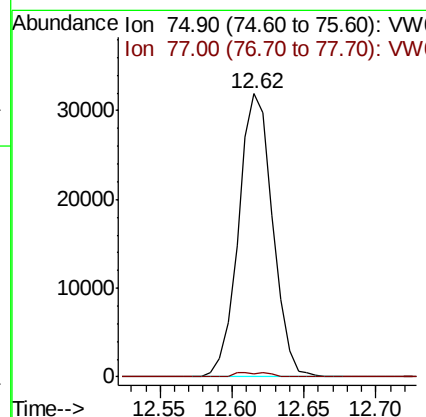
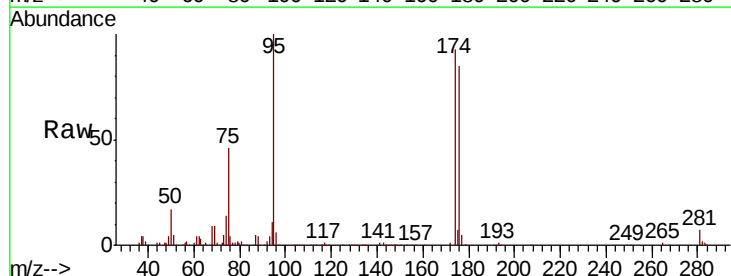
Tot Ion:152 Resp: 98847
Ion Ratio Lower Upper
152 100
115 53.5 27.4 82.2
150 153.0 0.0 345.4

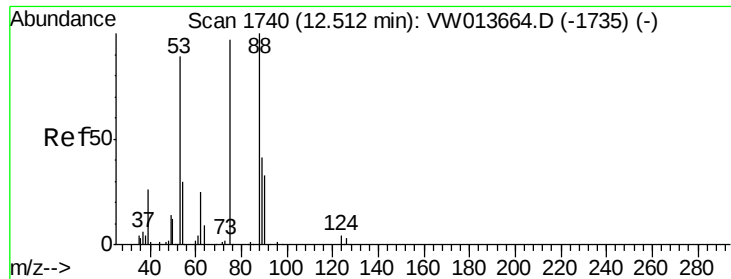


#76

1,2,3-Trichloropropane
Concen: 73.923 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW013725.D
Acq: 24 Oct 2019 21:30

Tgt Ion: 75 Resp: 52475
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 139.704 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW013725.D

Acq: 24 Oct 2019 21:30

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 52475

Ion Ratio Lower Upper

75 100

53 0.0 71.7 107.5#

89 0.0 35.8 53.8#

